

REMARKS

The present application includes claims 1-21. Claims 1-21 were rejected by the Examiner. By this Response, claims 1, 7 and 15 have been amended. Pursuant to the Examiner's suggestion and in order to expedite allowance of the presently pending claims, independent claims 1, 7, and 15 have been amended to clarify the imaging system configuration and use of the configuration for dynamic power allocation for dynamic, adaptive imaging system power management.

Claims 1-21 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Tokuyama (U.S. Patent No. 6,229,286) in view of Birleson (U.S. Patent No. 7,171,176).

The Applicant refers to and incorporates herein the previous responses of May 8, 2007, and November 21, 2006 ("previous responses"). In those previous responses, the Applicant highlighted some of the differences between Tokuyama, Birleson, and the presently pending claims. Rather than restate those distinctions, the Applicant reemphasizes his remarks in those prior responses and provides amended independent claims 1, 7, 15.

Per the Examiner's suggestion, claim 15 has been amended to recite a power management controller dynamically allocating available power among components in the imaging system based on a system configuration, wherein the system configuration includes a selected imaging mode of operation, a number of imaging system components in use, imaging system component current consumption, available input current and a cord current capacity limit, wherein the dynamic allocation and re-allocation occurs

automatically based on the current measurements from the at least one measurement unit and the imaging system configuration information.

Claim 1 has similarly been amended to recite a power controller for dynamically allocating power among the main imaging system power and the battery charger based on current measurements from the plurality of measurement units and imaging system configuration information, wherein dynamic allocation and re-allocation occurs automatically based on the current measurements from the plurality of measurement units and imaging system configuration information, and wherein the imaging system configuration information includes a selected imaging mode of operation, a number of imaging system components in use, imaging system component current consumption, and an available input current.

Claim 7 has also been amended to recite dynamically allocating power in the imaging system based on an imaging system configuration, current usage and current input in the imaging system, wherein dynamic allocation occurs automatically based on the system configuration, the current usage and the current input in the imaging system, and wherein the imaging system configuration information includes a selected imaging mode of operation, a number of imaging system components in use, the imaging system component current consumption, and the available input current..

The Applicant submits that these amendments do not recite new matter and do not require a new search.

The Examiner appears to agree with the Applicant's arguments in view of these amendments with respect to the Tokuyama and Birleson references. Thus, for at least

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these reasons, the Applicant respectfully submits that claims 1-21 should be allowable over the cited art of record.

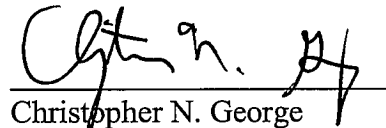
CONCLUSION

The Applicant submits that the present application is in condition for allowance. If the Examiner has any questions or the Applicant can be of any assistance, the Examiner is invited and encouraged to contact the Applicant at the number below.

The Commissioner is authorized to charge any necessary fees or credit any overpayment to the Deposit Account of GTC, Account No. 070845.

Respectfully submitted,

Date: September 18, 2007


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